

## Suggested Installation of deck posts for QuattroPost Deck Posts

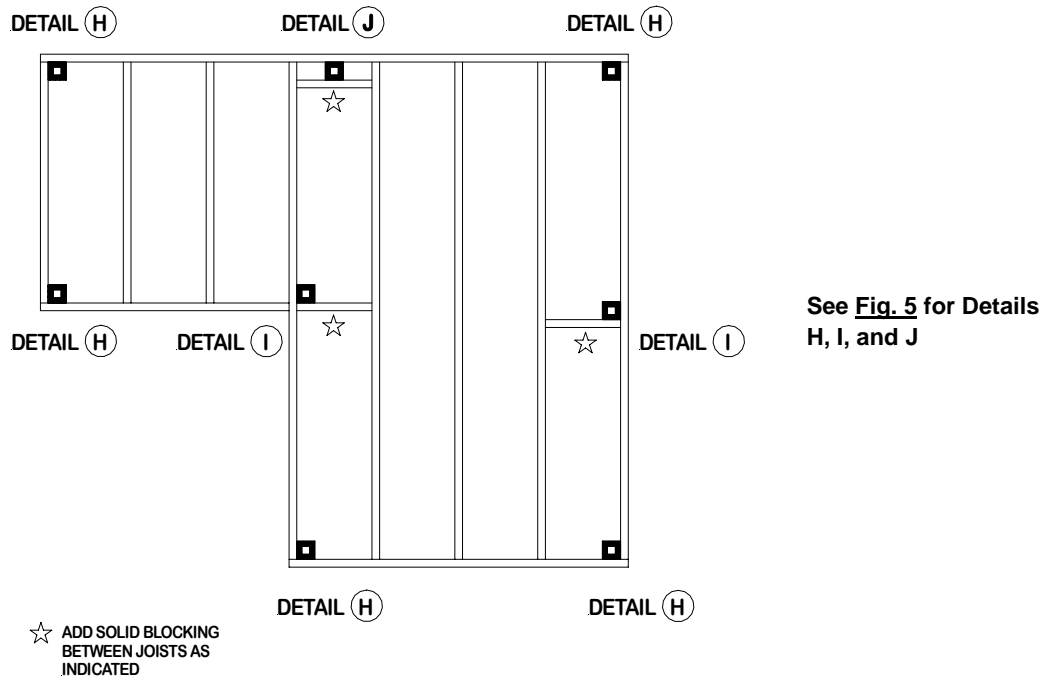
### Installation of Posts Set Into Deck Framing

This method of installation is the strongest. To maximize railing system strength, use this installation method, and attach continuous top railings across the tops of all posts.

This installation method and is best applied when the deck framing is accessible from the top and bottom (finished decking not installed yet). QuattroPosts can be installed flush to the bottom of the deck joists. (When there are separate deck support posts used)

This is also the recommended method when attaching QuattroPosts directly to in-ground footings. QuattroPosts must not be placed in direct contact with the ground. See the Handling and Installation Instruction page for more details.

1. Ensure deck framing is solid. Check local area codes for specific requirements.
2. Measure and lay out the centerline locations for your posts. Each post should have a joist flush to one side and the post should be set flush to the inside of the box joist (Also called rim joist). If the posts do not match the joist locations, solid blocking can be installed beside the posts. (See Figs. 4 and 5)
3. Clamp each post to the joists before drilling the pilot holes for the lag bolts. The bottom of the posts can be set between 13mm (1/2") above the bottom of the joists to flush with the underside of the joists.
4. Measure and mark the centers for the pilot holes for the 9.5mm (3/8") bolts. (See figs. 4, and 5) Use a sharp 6mm (1/4") wood auger drill bit to pre-drill the joists, and a sharp 9mm (3/8") wood auger drill bit for the pilot holes in the posts. Drill the holes square to the face of the post and joists.
5. Connecting hardware must be rust resistant – galvanized, electroplated, or ceramic coated for example. Ensure these lag bolts and washers are compatible with treated deck framing lumber if used. The lag bolts must be long enough that the point extends fully past the inside wall of the post. **Through bolts are not allowed for this application.**
6. Insert the lag bolts into the pilot holes but do not tighten them fully. Using a carpenter's level, check to ensure each post is plumb. Slight adjustments can be made using shims of building felt paper or other weather resistant material if necessary. Shims can be inserted between the post and the deck framing. Tighten the lag bolts once the posts are plumb. Extra care must be taken not to over tighten lag bolts, as they will strip.
7. Bolts should be checked for tightness at least twice per year after installation – usually in the Spring and Fall seasons.
8. Check for local building code requirements before cutting posts to length at the top end.



**FIG. 8** PLAN VIEW OF TYPICAL POST LOCATIONS FOR SET IN POST INSTALLATION

